## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE |  |  |
|---------------------------|----------|--------|------|--|--|
| FEE DETERMINATION         |          |        |      |  |  |
| O.I.P.E. CLASSIFIER       |          |        |      |  |  |
| FORMALITY REVIEW          |          |        |      |  |  |
| RESPONSE FORMALITY REVIEW |          |        |      |  |  |

## INDEX OF CLAIMS

| • | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

|       | Ï        |        |          |          |   |               | ÷            |                                        | ••••           | ••••           | •••••          |                |
|-------|----------|--------|----------|----------|---|---------------|--------------|----------------------------------------|----------------|----------------|----------------|----------------|
| Cle   | un)      | 1      |          | -        | - |               | Ďε           | ite                                    |                |                |                |                |
|       | 1        | 1      | 10       | 4        | Į | T             | Τ            | Τ-                                     | Т              | Ţ              | 1              | T              |
| 755   | Original | צו     | 1.       | 5        | ż | ħ             | ı            | 1                                      |                | 1              | 1              |                |
| Final | Ĕ        | 0      | r,       | Ί        | ۳ | 7             | 1            | ł                                      |                | 1              | 1              |                |
| =     | ň        | ١.     | Х,       | ď.       | L | <del>,</del>  | ╫            | +                                      | ┿              | ╫              | +              | +              |
|       | 2        | 4      | Н        | +-       |   |               | ╄            | ╁                                      | ┼~-            | Ļ              | ╄              | +              |
|       |          | Н      | Ш        | 4        | į |               | ↓            | ╄                                      | ┺              | ╄              | 4_             | ╄              |
|       | 3        |        | Ш        | L        | ı | 1_            |              | L                                      |                | 1              |                |                |
|       | À        |        | 2        | 1        | _ | t             | L            |                                        | Г              | L              | Ι.             | Τ.             |
|       | 15       |        | 0        | T        | b | 7             | Т            | Т                                      | Т              | Т              | Т              | Т              |
| -     | 8        | П      | 0        | 77       | j | ~             | Т            | Т                                      | Т              | 1              | Τ~             | Т              |
| ٠.    | 7        |        | 0        | T        | Ĺ | $\overline{}$ | T            | 1                                      | 1              | 1              | $\top$         | 1              |
| - : : | 8        | П      | 7        | 1        | ï | 7             | +-           | 1                                      | t              | Ħ              | 1              | T              |
|       | 9        | Н      | tř       | ┿        | Ť |               | ┼╌           | ┿                                      | ✝              | ╁╌             | +-             | ╁╴             |
| -     | 6        | Н      | H        | ٠        |   |               | ┿┈           | ╁╌                                     | ┿              | ╁╌             | ╂╌             | ╁              |
|       | 11       | Н      | ₩        | 4        | 1 | <del> </del>  | ╄            | ╄┈                                     | <del> </del> - | ┼              | ╄              | ┼              |
| -4    | 12       | ۲      | 1 ¥      | ١.       | v | ۲-            |              | ⊢                                      | +-             | <b>├</b> -     | +-             | ₩.             |
|       |          | 1      | ١.       | ŧ.       | _ | <b> </b>      | ╄            | ــــــــــــــــــــــــــــــــــــــ | Ļ.             | 1              | 1              | 1              |
|       | 13       |        | ╙        | Ļ        | _ | <u></u>       | <b>!</b>     | L                                      | ┖              | Ļ.,            | 1_             | _              |
|       | 14       | L_     | <u> </u> | L        | _ | L_            |              | L                                      | 1_             |                |                |                |
|       | 15       | Ш      |          |          |   | L             | L            | L                                      |                |                | L              |                |
|       | 16       |        |          | L        |   | L             |              |                                        |                | T              | Γ              | i              |
|       | 17       |        | Γ        | Г        |   |               | П            | Г                                      | Г              | П              | П              | Г              |
| 7     | 18       |        |          | T        |   |               |              |                                        |                | Т              | <del>i -</del> | 1              |
|       | 19       |        |          | 1        | 7 | -             | _            | 1                                      | +              | ╁~             | 1-             | ✝              |
|       |          | . :    | , -      | H        |   | ٠.            | 1            | <del>  ''</del>                        | +              | ⊢              | ╁              | $\vdash$       |
|       |          |        | _        | Н        | 4 | _             | ļ            | <b>-</b> -                             | ┞              | ┺              | ╄              | -              |
|       | 21       |        |          | 1        | _ | _             | ļ            | ┖                                      | 1_             | L              | ┺              | 1_             |
|       | 22       |        | L        | L        | ┙ |               | L            | _                                      | 乚              | 上              | L              | L              |
|       | 23       |        |          | Ĺ        |   |               |              |                                        |                |                |                | Ι-             |
| 71    | 24       |        | _        | Г        |   |               | Г            | Г                                      | T-             | Τ-             | Т              | Т              |
| ╗     | 25       |        |          | Т        | ٦ |               | 1            | <b></b>                                |                |                | <b>†</b>       | _              |
| T     | 26       | _      | _        | Т        |   | _             |              |                                        |                | t              |                |                |
|       | 27       |        |          | 1        | ╛ | ┪             | ┪            | H                                      | 1              | H              | t              | -              |
|       | 28       | -      | $\vdash$ | H        | 7 | -             | ╁            | H                                      | H              | -              | ╁─             | ├              |
|       | 29       | -      | -        | ┢        | - | -             | -            | $\vdash$                               | ₩              | ⊢              | +              | <del>∤</del> — |
|       | 30       | _      | -        | ۰        | 4 | $\vdash$      | -            | $\vdash$                               | ⊢              |                | ┼~             | ₩              |
|       |          |        | -        | ۰        | 4 | <u> </u>      |              | <u> </u>                               | -              | <del> </del> — | ╄              | ļ.             |
|       | 31       |        | <u> </u> | L        | 4 |               | <u> </u>     | <b>!</b>                               | <b>!</b>       | <b>!</b> —     | 1_             | <b>!</b> _     |
|       | 32       |        | L        | L        | Ц |               | _            | <u> </u>                               | $\vdash$       | <u> </u>       | 1              | L              |
| _     | 33       |        | L_       | L        |   |               | L            |                                        | _              | L              | 1_             |                |
|       | 34       |        | L        | Ĺ        |   | L             | Ĺ            | 匚                                      |                |                | L              |                |
| T     | 35       |        |          | Γ        | 7 |               |              |                                        |                | {              | F              | Γ              |
|       | 36       |        |          | ] _      | ٦ |               | Γ.           | Γ-                                     | Г              | Г              | Г              |                |
| ╛     | 37       |        |          | Γ        | 1 |               | 1            |                                        | Г              | T              | Т              | 1              |
|       | 38       |        | _        | H        | 1 | _             | ┢            |                                        | Н              | Ι              | 1              | <del> </del>   |
| _     | 39       |        |          | Н        | 4 |               | $\vdash$     | $\vdash$                               | $\vdash$       | $\vdash$       | -              | ├~             |
| _     | 40       |        |          | $\vdash$ | + | _             | <del> </del> | $\vdash$                               | -              | $\vdash$       | 1              | ⊢              |
| _     | _        |        | 1        | <u> </u> | 4 | _             | <u> </u>     | <u> </u>                               | ┞~             |                | -              | <u> </u>       |
| _     | 41       |        |          | L        | 1 |               | _            | <u></u>                                | Ш              | L              |                | Ц.             |
|       | 42       | 1      |          | Ĺ        | J |               |              |                                        | L              |                |                |                |
|       | 43       | í      |          | Ľ        | J |               |              |                                        | Г              | T              | Π              |                |
| Т     | 44       | $\neg$ |          | Г        | 1 |               |              |                                        | Г              |                | Γ              | $\overline{}$  |
| 7     | 45       |        |          | _        | Ť | _             | Н            | $\vdash$                               | $\vdash$       | $\vdash$       | Н              | -              |
|       | 46       |        | _        | $\vdash$ | † |               | Н            |                                        | H              | -              | Н              |                |
|       | 7        |        | $\dashv$ | $\vdash$ | ŧ | -             | $\vdash$     |                                        | $\vdash$       |                | ┝╌┤            |                |
|       | 18       | -      | -        | -        | 4 | $\dashv$      |              | $\dashv$                               |                |                | Н              |                |
|       | 19       | -      |          | <u>ل</u> | + | $\dashv$      | $\dashv$     |                                        | _              | _              | ┝╌┥            | Щ              |
|       |          | 4      |          | _        | 1 | _             |              | _                                      |                |                |                |                |
| 15    | i0       | _ [    |          |          | 1 |               |              | I                                      |                | ]              | ╚              | - 7            |

| Claim      |          | L   |              |          |            | D            | ate      |          |              |            |            |
|------------|----------|-----|--------------|----------|------------|--------------|----------|----------|--------------|------------|------------|
| Final      | Original |     |              |          |            |              |          |          |              |            |            |
| Г          | 51       | Г   |              | T        | Τ          | T            | Т        |          | Т            | Т          | 7          |
| Г          | 52       |     |              | 7-       | 1          |              | T        | ı        | Τ            | Т          | ✝          |
|            | 53       |     | Ţ            | Т        | Т          | Т            | Т        | П        |              | T          | T          |
|            | 54       |     |              |          |            |              |          |          |              |            | T          |
|            | 55       |     |              | Г        | Ι          |              | 匚        |          | Π            | П          |            |
| _          | 56       | L   | $\perp$      | L        | _          | L            |          |          |              | Г          | Γ          |
| <u> </u>   | 57       | _   | ╙            | ┖        | ┺          | ┺            | L        |          | L.           | L          | L          |
|            | 58       | L   | L            | L        | L          | 1_           | _        | 1        | L            | ┖          | ļ.         |
| <u> </u>   | 59       | ļ   | ↓_           | ╄        | ╄          | 4            | Ŀ        | ╙        | ļ.,          | ╙          | L          |
| _          | 60<br>61 | Ļ., | <del> </del> | ╙        | ╄          |              | ╄        |          | L            | L          | L          |
| ⊢          | 1        | _   | ┞            | ╄        | ┡          | 1            | ┞        | <u> </u> |              | ┞          | ╀          |
|            | 62<br>63 | _   | -            | ⊢        | Ŀ          | ╄            | ┼-       | <u> </u> | <b></b>      | ļ          | <b>├</b> - |
|            | 64       | _   | H            | ├        | ┼          | ╁-           | ╀        | <u> </u> | ļ            | <b> </b> _ | <b>├</b> - |
| -          | 65       |     | ╁            | ⊢        | 1          | ╀            | -        |          |              | ┝          | ⊢          |
| _          | 66       |     | ╌            | ┢        | ╁          | ╁            | ╌        |          | -            | ⊢          | H          |
| _          | 67       |     | ⊢            | ╌        | ⊢          | ╂ー           | ╂╌       |          | ⊢            | ⊢          | ⊢          |
| -          | 68       |     | H            | ⊢        | ├-         | ╁            | ⊢        |          |              | ├-         | ├          |
| _          | 69       |     | 1-           | Н        |            | +            | $\vdash$ | ┝        |              | ┝          | ⊢          |
|            | 70       | _   | -            | ├        | 1          | ╁╴           | -        | $\vdash$ | ⊢            | ⊢          | ⊢          |
| -          | 71       | _   | ⊢            | H        | H.         | ╁∸           | -        | ├—       | H            | ┝          | ┝          |
| _          | 72       |     |              | ┢┈       | ╁╾         | ╁            | ⊢        | ⊢        | -            | ├          | ┝┈         |
|            | 73       |     | Н            | ╌        | -          | ┼─           | $\vdash$ | ├        | <del> </del> |            | ⊢          |
|            | 74       |     |              | Н        | Н          | t            | ┢╌       |          |              | $\vdash$   | ⊢          |
| _          | 75       |     | _            | ✝        | 1-         | ╁╴           | 1        | _        |              | -          | ┪          |
|            | 76       |     | T-           | ┢        | ┰          | $\vdash$     |          |          | _            | $\vdash$   | ┢          |
|            | 77       |     |              | Г        | 1          |              | $\top$   | <u> </u> | _            | _          | 1          |
|            | 78       |     |              |          |            |              |          |          |              |            |            |
|            | 79       |     |              |          |            |              |          |          |              |            |            |
|            | 80       |     |              | L        | <u> </u>   | Ш            |          |          |              |            |            |
|            | 81       |     | L            | <u> </u> | 1          | Ļ.,          |          |          |              |            | <u></u>    |
|            | 82       | _   | _            | i_       |            | <del> </del> | ļ        |          |              | L          | ļ          |
|            | 83<br>84 |     | -            | -        | ├          | ١            | ┝        |          | ш            | _          |            |
|            | 85       |     | _            | ⊢        | ╀          | ╂—           | <u> </u> |          |              | <u> </u>   | Ļ.         |
|            | 86       |     | H            | H        | ├          |              | H        | $\Box$   |              | -          |            |
| _          | 87       |     |              | -        |            | -            | ╌        |          |              |            |            |
| -          | 88       | _   | Н            | -        | i          | ╁╾           | ┢┈┤      |          |              |            | $\vdash$   |
| _          | 89       |     | $\vdash$     |          | ⊢          | $\vdash$     | Н        |          | $\vdash$     |            | ⊢          |
|            | 90       | _   |              | Ι        | _          |              | Н        |          | _            | _          | -          |
| $\exists$  | 91       |     |              | -        | 1          |              |          |          | 一            |            |            |
| ┪          | 92       |     |              | -        | $\vdash$   | Н            | Н        |          | -            | Н          |            |
|            | 93       | _   | _            | _        | <u>-</u> - |              |          |          | ⊣            | -          | _          |
| 寸          | 94       |     |              |          |            | T            | $\Box$   | $\dashv$ | Ť            |            |            |
| _†         | 95       |     |              |          |            | 厂            | $\vdash$ |          | $\dashv$     | $\dashv$   | _          |
|            | 96       | 丁   |              |          |            |              |          | $\neg$   | _            | ┪          |            |
|            | 97       |     |              |          |            |              |          |          |              |            |            |
|            | 98       |     |              | ╗        |            |              |          |          |              |            | _          |
|            | 99       | _}  |              |          | ــــا      |              |          |          | $\Box$       | J          | _          |
| <u>_</u> t | 00       |     |              | ]        | لـــا      |              | [        | [        | $\perp$      |            |            |

| Cla   | Claim Date |    |              |          |        |   |                                                  |              |          |          |    |          |             |
|-------|------------|----|--------------|----------|--------|---|--------------------------------------------------|--------------|----------|----------|----|----------|-------------|
| Г     |            | Г  | Τ            | T        | ٦      | Г | T                                                | Ť            | Т        | T        | Т  |          | Г           |
| -B    | 툲          |    | 1            |          | ļ      |   |                                                  | 1            | 1        |          | -  |          | l           |
| Final | Original   |    | ı            | 1        | 1      |   |                                                  |              | ı        |          | ١  |          |             |
|       | 101        |    | Γ            | T        |        |   |                                                  | Т            | Т        |          | 7  | _        | Г           |
|       | 102        |    | Γ            |          |        |   | Ι.                                               | Т            | Т        |          | T  | _        | Π           |
|       | 103        | ļ  |              | T        | 7      |   | Т                                                | Т            | Ţ        | T        | T  | _        | Г           |
|       | 104        |    |              | Ι        |        |   |                                                  |              | I        | I        |    | _        |             |
|       | 105        |    | L            | Ļ        | $\Box$ |   |                                                  |              |          | $\perp$  | 1  | _        |             |
|       | 106        |    | L            | _        | _      |   | L                                                | $\perp$      | 1        | L        |    |          | Ŀ           |
|       | 107        | _  | L            | 1        | 4      |   | 1_                                               | 1_           | ┸        | 1        | 1  |          | L           |
|       | 108        | _  | L            | Ļ        | 4      |   | 1                                                | ╄            | 1        | 4        | 4  |          | L           |
|       | 109        |    | ļ            | ╀        | 4      |   | ┺                                                | 1            | 1        | 4.       | 4  |          | <u> </u>    |
|       | 110        | _  | ┡            | ╀        | 4      | _ | ļ                                                | <del> </del> | 4        | 4        | 4  | _        | L           |
|       | 111        |    | ⊢            | ╀        | 4      |   | ╀~                                               | ╄            | ╀-       | +        | +  |          | _           |
|       | 112<br>113 |    | $\vdash$     | +        | +      |   | +-                                               | +-           | +        | ╁        | +  | _        | $\vdash$    |
|       | 114        |    | ├-           | ╀        | +      |   | ₩.                                               | +-           | ╀        | +        | +  | -        | Н           |
|       | 114<br>115 |    | ⊢            | +        | +      |   | ╁                                                | ┼            | ╀        | +        | +  | -        | ١           |
|       | 116        |    | ⊢            | +        | +      |   | ┼                                                | ╁            | +        | +-       | +  |          | -           |
|       | 117        | -  | ├            | +        | +      | _ | ⊢                                                | ╁            | ╁        | ╁        | ╁  | -        | -           |
|       | 118        |    | ⊢            | ╁        | +      |   | ╁╌                                               | ╫            | ┿        | ╁        | +  | -        | -           |
|       | 119        |    | ⊢            | ╁        | t      |   | ┼                                                | +-           | ╁        | ╁        | +  | ┥        |             |
|       | 120        | -  | -            | ╁        | +      | - | -                                                | ╁            | +-       | ╁╌       | ┿  | -        | -           |
|       | 121        |    | <del> </del> | ╁╌       | +      |   | ⊢                                                | ┿            | ╁╾       | ╂╾       | +  | -        |             |
|       | 122        | -  | ⊢            | ╁        | +      |   | ⊢                                                | +            | ╁╌       | ╂        | ┿  | 4        | $\dashv$    |
| -1    | 123        | -  | ⊢            | t        | +      |   | ┢                                                | ╁            | ╁        | +        | +  | $\dashv$ | -           |
|       | 124        | -  | ┝╴           | +        | ╁      |   | H                                                | +            | ╁        | +        | ╁  | ┥        | Н           |
|       | 125        |    | -            | t        | +      |   | Н                                                | 1            | ╁╌       | ╁        | ╁  | -        | -           |
|       | 126        |    | -            | t        | †      |   | ┢                                                | ╁            | +        | +        | ┿  | -        | -           |
|       | 127        |    | Н            | t        | Ť      |   | <del> </del>                                     | †            | +-       | +        | t  | ┪        |             |
|       | 128        |    | ┪            | T        | 1      |   | <del>                                     </del> | †            | 1        | 1        | Ť  | ╛        | $\dashv$    |
|       | 129        |    | 1            | T        | 1      |   | T                                                | T            | $\top$   | +        | †  | 7        | $\neg$      |
| Ŧ     | 130        |    | Γ            | Т        | 1      |   |                                                  | 1            | 1        | 1        | 1  | ٦        | $\neg \neg$ |
|       | 131        |    | Γ~           | Т        | Ť      |   | Г                                                | 1            | Τ        | Т        | T  | ٦        |             |
|       | 132        |    |              | Γ        | Ī      |   |                                                  |              |          | 1        | T  |          |             |
|       | 133        |    | Ĺ            |          |        |   |                                                  | Π            |          | L        | Τ  |          |             |
|       | 134        |    |              | Ĺ        | I      |   |                                                  |              | $\Box$   | L        | I  |          | $\Box$      |
|       | 135        |    | L.           | L        | 1      |   |                                                  | L            | $\perp$  | L        | Ţ. | 1        | _           |
|       | 36         | _  | _            | L        | 1      |   | <u> </u>                                         | <u> _</u>    | Ļ        | 1_       | Ļ  | 4        | ┙           |
|       | 37         |    |              | 1        | 1      |   | _                                                | Ļ.           | L        | ┖        | 1  | ļ        | ᅴ           |
|       | 38         |    |              | L        | ļ      |   | _                                                | ▙            | ⊢        | ┺        | Ļ  | 4        |             |
|       | 39         |    | <u> </u>     | 1        | 1      |   | $\vdash$                                         | -            | -        | ╀        | +  | 4        | -           |
|       | 40         |    |              | L        | 1      |   | <u> </u>                                         | ╙            | ╙        | ┡        | ╀  | 4        | 4           |
|       | 41         | _  | _            | L        | 1      |   | L                                                | L            | ┡        | ╙        | Ļ  | 4        | 4           |
|       | 42         | -4 |              | ┡        | +      |   | <u> </u>                                         | <u> </u>     | ↓_       | ┼        | +  | 4        | $\dashv$    |
|       | 43         |    |              | $\vdash$ | +      | _ |                                                  | $\vdash$     | 1        | ⊢        | ╁  | ļ        |             |
|       | 44<br>45   |    |              | L        | +      |   | _                                                | <u> </u>     | L        | ┞        | Ļ  | +        |             |
|       |            | -1 |              |          | ļ.     | - | _                                                | -            | ⊢        | $\vdash$ | ╀  | +        | $\dashv$    |
| -£    | 46<br>47   |    |              | <u> </u> | ╀      | 4 |                                                  | <u> </u>     | -        | 1-       | +- | +        | -           |
|       |            | 4  |              | $\vdash$ | ╀      | 4 |                                                  | <u> </u>     | <u> </u> | -        | ╀  | +        | $\dashv$    |
| 4     | 48         |    |              | -        | ╀      |   | _                                                |              | $\vdash$ |          | ┢  | t        | 4           |
| -[1   | 49<br>50   | -  | _            | H        | +      | 4 | _                                                | H            | -        | -        | ┢  | †        | $\dashv$    |
|       | J.         |    |              |          |        |   |                                                  |              |          |          |    |          |             |